

IN THE CLAIMS:

Please cancel claim 11 without prejudice or disclaimer, and amend claim 12 as follows:

1-11 (Cancelled)

12. (Currently Amended) A method for analyzing nucleic acids, comprising:

[[using]] providing a plurality of biomolecule detecting elements, ~~comprising~~ each of which includes an insulated gate field effect transistor on which a biomolecular probe is immobilized, a transmission/reception antenna embedded in an insulating film, a reception circuit, and a transmission circuit; ~~comprising the steps of:~~

putting [[a]] the plurality of biomolecule detecting elements having different kinds of single-stranded nucleic acid probes immobilized thereon as said biomolecular probe, and a buffer solution in a reaction vessel, and receiving a signal from each of said biomolecule detecting elements using an external receiver;

introducing a sample solution containing at least one kind of nucleic acid into said reaction vessel and carrying out hybridization with said single-stranded nucleic acid probe;

introducing an intercalator solution into said reaction vessel and causing it to react with the nucleic acid that has become double-stranded; and

receiving a signal from each of said biomolecule detecting elements using an external receiver.

13. (Previously Presented) The method for analyzing nucleic acid according to claim 12, wherein said biomolecule detecting element comprises a memory circuit for storing identification information, and wherein the signal from said biomolecule detecting element includes an output value of said insulated gate field effect transistor in said biomolecule detecting element, and identification information stored in said memory circuit.